Journal of the New England Water Works Association

Contents

Volume 112, No. 1 March 1998

Page

Portrait of President Thomas R. Marston ..... *Frontispiece*

DISINFECTION BY-PRODUCT REMOVAL: EVALUATION OF THE CAPACITY OF AN EXISTING CONVENTIONAL TREATMENT PLANT AND A PILOT-SCALE ADVANCED TREATMENT PROCESS TO MEET FUTURE REGULATIONS
By Maureen K. McAvoy, Larry W. VandeVenter & Thomas R. Marston 1

LEAD AND COPPER CONTROL WITH NON-ZINC ORTHOPHOSPHATE
By Michael R. Schock & Jonathan A. Clement 20

pH ADJUSTMENT/ZINC ORTHOPHOSPHATE TREATMENT FOR CONTROLLING TETRATCHLOROETHYLENE LEACHING FROM VINYL LINED ASBESTOS CEMENT PIPES
By Lawrence E. Guilmartin, Robert R. Kreykenbohm & Daniel H. Mahoney, Jr. 43

AERATION AND LIMESTONE CONTACT FOR RADON REMOVAL AND CORROSION CONTROL
By Catherine M. Spencer 60

SUNAPEE, NEW HAMPSHIRE BEDROCK WELL PROJECT SAVES NEARLY $1,000,000
By Claude A. Cormier, James H. Vernon & Roland B. Hoag, Jr. 70

PROCEEDINGS
Joint Association Meeting with RI Waterworks Association - November 13, 1997 78
Association Meeting - December 18, 1997 79
Joint Association Meeting with CT Section AWWA and CT Waterworks Association - January 15, 1998 83
REPORT OF THE ADMINISTRATION COUNCIL 85
REPORT OF THE EXTERNAL AFFAIRS COUNCIL 95
MEMBERSHIP COMMITTEE 1997 STATUS REPORT 101
MEMOIRS, J. Carrell Morris and Peter C. Karalekas 106
BOOK REVIEW 108
SOFTWARE REVIEW 109

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 112, No. 1 March 1998

Page

Portrait of President Thomas R. Marston ..... *Frontispiece*

DISINFECTION BY-PRODUCT REMOVAL: EVALUATION OF THE CAPACITY OF AN EXISTING CONVENTIONAL TREATMENT PLANT AND A PILOT-SCALE ADVANCED TREATMENT PROCESS TO MEET FUTURE REGULATIONS
By Maureen K. McAvoy, Larry W. VandeVenter & Thomas R. Marston 1

LEAD AND COPPER CONTROL WITH NON-ZINC ORTHOPHOSPHATE
By Michael R. Schock & Jonathan A. Clement 20

pH ADJUSTMENT/ZINC ORTHOPHOSPHATE TREATMENT FOR CONTROLLING TETRATCHLOROETHYLENE LEACHING FROM VINYL LINED ASBESTOS CEMENT PIPES
By Lawrence E. Guilmartin, Robert R. Kreykenbohm & Daniel H. Mahoney, Jr. 43

AERATION AND LIMESTONE CONTACT FOR RADON REMOVAL AND CORROSION CONTROL
By Catherine M. Spencer 60

SUNAPEE, NEW HAMPSHIRE BEDROCK WELL PROJECT SAVES NEARLY $1,000,000
By Claude A. Cormier, James H. Vernon & Roland B. Hoag, Jr. 70

PROCEEDINGS
Joint Association Meeting with RI Waterworks Association - November 13, 1997 78
Association Meeting - December 18, 1997 79
Joint Association Meeting with CT Section AWWA and CT Waterworks Association - January 15, 1998 83
REPORT OF THE ADMINISTRATION COUNCIL 85
REPORT OF THE EXTERNAL AFFAIRS COUNCIL 95
MEMBERSHIP COMMITTEE 1997 STATUS REPORT 101
MEMOIRS, J. Carrell Morris and Peter C. Karalekas 106
BOOK REVIEW 108
SOFTWARE REVIEW 109

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 112, No. 2 June 1998

Page

POLITICS, BUREAUCRACY AND PUBLIC INVOLVEMENT IN WATER SUPPLY
By William D. Falcone 111

SIMULTANEOUS START-UP OF TWO WATER TREATMENT FACILITIES IN ATTLEBORO, MASSACHUSETTS
By Robert Stoops, John Jumpe and Michael Burgess 118

PIPE LOOP DEMONSTRATION STUDY OF CORROSION CONTROL ALTERNATIVES AT A pH OF 10
By Christopher C. Yannoni and Michael A. Covellone 132

THE USE OF SODIUM SILICATE FOR THE CONTROL OF LEAD AND COPPER
By Richard A. Chiodini 147

UTILIZATION OF PLASMA SPARKER TECHNOLOGY AS AN INNOVATIVE ELECTROTECHNOLOGY FOR IMPROVED WATER QUALITY
By James W. Fay and Arthur Bryden 153

REPORTS FROM THE AWWA RESEARCH FOUNDATION 161

PROCEEDINGS - REPORT OF THE OPERATIONS & MANAGEMENT COUNCIL, REPORT OF THE TELLERS OF THE ELECTION 170

MEMOIR - Jeffrey P. Nixon 199

LETTERS TO THE EDITOR 200

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 112, No. 3 September 1998

Page

DIRECT FILTRATION OPTIMIZATION USING GRANULAR ACTIVATED CARBON FOR COMPLIANCE WITH THE SURFACE WATER TREATMENT RULE 203
By Kevin T. Walsh, Larry W. VandeVenter & Joel S. Neulight

VARIABLE FREQUENCY DRIVE (VFD) TECHNOLOGY IS HERE AND IT WORKS: A COMPARISON OF PREVAILING CONTROL TECHNOLOGIES 227
By Bruce W. Lewis & Mark R. Candello

A SUCCESSFUL REGIONAL WELLHEAD PROTECTION PROGRAM 241
By Wayne P. Southworth

CEMENT LINING: SOLUTIONS TO SOME DISTRIBUTION SYSTEM PROBLEMS 244
By Leonard J. Assard

CHEMICALLY CLEANING AND PRESERVING POTABLE WATER DISTRIBUTION SYSTEMS 247
By Patrick E. Lien & S. Steven Carl

EDUCATING THE PUBLIC ABOUT CROSS-CONNECTION CONTROL 250
By Howard Henrickson

PROCEEDINGS
Joint Meeting with Maine Water Utilities Association - February 3-4, 1998 253
Joint Regional Operations Conference & Exhibition - March 31-April 1, 1998 254
Joint Meeting with New Hampshire Water Works Association - April 23, 1998 264
Joint Luncheon Meeting-CT Section AWWA, NY Section AWWA, NEWWA - June 22, 1998 ... 265

MEMOIR, Robert H. Varney 268

BOOK REVIEW 269

GUIDELINES FOR THE PREPARATION OF PAPERS FOR PUBLICATION 270

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 112, No. 4 December 1998

Page

GROW SMART RHODE ISLAND 271
By James H. Dodge

TURNING LIABILITY INTO ASSETS: HOW PUBLIC-PRIVATE PARTNERSHIPS CAN BENEFIT MUNICIPALITIES 274
By John Joyner

THE UNIFIED RADON RELATIVE RISK MODEL
A COMPUTER PROGRAM FOR CALCULATING CANCER RISKS FROM RADON 276
By Stan Rydell

RADON REMOVAL FROM GROUNDWATER USING ULTRASOUND 291
By L. Jay LeGore and Willem F. Brutsaert

DEWATERING OF ALUM RESIDUALS WITH DIATOMACEOUS EARTH AT TEWKSBURY, MA 305
By Lewis Zediana, Leon Garrant, & Robert Weimer

VENTING DESIGN FOR COVERED LIQUID STORAGE TANKS 317
By Andrew R. Minogue, Salvatore Marques, & Michael Harrington

LETTER TO THE EDITOR 321
BOOK REVIEW 322
PROCEEDINGS
ANNUAL CONFERENCE, September 27-30, 1998 323
including Reports of the Executive Director, *Journal* Editor, Treasurer's Report, Administrative Council Report, External Affairs Council Report
NEWWA ORGANIZATION CHART 1998-1999 376
ANNUAL INDEX

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover